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(54) WATER TREATMENT APPARATUS

(57) Abstract:

**PURPOSE:** To prolong the time until a membrane module which is immersed in a liquid to be treated in a water treatment apparatus should be back-washed.

**CONSTITUTION:** A membrane module 4 has membrane elements 3 which are able to filter a liquid to be treated 2. The membrane module 4 is supported by rotary shafts 11, 12 and the rotary shaft 11 is driven by a motor 14.

Due to this, rotating force is given to the membrane module 4 immersed in the liquid to be treated 2 and flow speed is applied to the surfaces of the membrane elements 3 and thus scales are removed. Scale formation can be reduced even if the water treatment apparatus is operated for a long duration and the time until back washing becomes necessary is greatly prolonged.

